

In the Claims:

1. (Currently amended) Insulation arrangement for a pipe, especially for a pipe of a pneumatic system in a passenger transport aircraft, comprising an insulation material layer (6) and a pre-fabricated shell (9) that includes an outer sheath consisting of titanium foil (31), and first and second termination ~~profiles,~~ profile elements, wherein the outer sheath (3) has ~~at least one longitudinal seam (13)~~ and a first end section (32) and a second end section (33), and the outer sheath is connected at the first and second end sections respectively with the first and second termination ~~profiles,~~ profile elements, and wherein the shell (19) has at least one longitudinal seam (13), and is adapted to and does receive therein [[an]] the insulation material layer (6) and is adapted to be mounted on the pipe with the longitudinal seam of the outer sheath shell open, and with the insulation material layer (6) received in the [[shell-]] shell, and further comprising closure parts (14, 14') that are provided on the shell at the at least one longitudinal seam (13) and that are adapted to close the at least one longitudinal seam (13) after the shell is mounted on the pipe, and wherein the titanium foil (31) forming the outer sheath (3) has a profiled or patterned surface configuration.

1 2. (Currently amended) Insulation arrangement according to
2 claim 1, characterized in that each said termination
3 profile element (7) is embodied as a Z-profile element,
4 including an upper web (71) connected with the titanium
5 foil (31), and a middle web (72) as well as a lower web
6 (73) that form a receiver receiving the insulation material
7 layer (6).

Claims 3 to 10 (Canceled).

1 11. (Currently amended) Insulation arrangement according to
2 claim 1, characterized in that the shell (9) is embodied as
3 a full shell including only a single one of the
4 longitudinal seam, [[which]] and the shell is opened at the
5 longitudinal seam (13) and slipped over the pipe (2), and
6 is closed by ~~means of~~ the closure parts which comprise
7 joint webs (14, 14') provided on the longitudinal
8 seam (13).

1 12. (Currently amended) Insulation arrangement according to
2 claim 11, characterized in that ~~a connection on the~~
3 ~~longitudinal seam (13) between the joint webs (14, 14')~~
4 ~~is produced~~ are joined together by adhesive bonding or
5 welding to close the longitudinal seam.

1 13. (Currently amended) Insulation arrangement according to
2 claim 1, characterized in that the shell (9) ~~is embodied as~~

3 comprises two half shells, ~~which comprise~~ joined along two
4 of said longitudinal seams, and the two half shells are
5 positioned on the pipe (2), and ~~the insulation is~~ are
6 closed by ~~means of~~ the closures parts which comprise joint
7 webs (14, 14') provided on the longitudinal seams.

1 14. (Currently amended) Insulation arrangement according to
2 claim 13, characterized in that ~~a connection on the~~
3 ~~longitudinal seam (13) between~~ the joint webs (14, 14')
4 ~~is produced~~ are joined together by adhesive bonding or
5 welding to close the two longitudinal seams.

1 15. (Currently amended) Insulation arrangement according to
2 claim 1, characterized in that the closure parts comprise
3 a securing web (15) that is provided along the longitudinal
4 seam and that is configured to produce a form-locking
5 secured ~~connection is provided on the longitudinal seam~~
6 connection.

Claim 16 (Canceled).

1 17. (Previously presented) Insulation arrangement for a pipe,
2 especially for a pipe of a pneumatic system in a passenger
3 transport aircraft, which essentially comprises at least
4 one insulation layer (6), an outer sheath consisting of
5 titanium foil (31), and first and second termination
6 profiles, wherein the outer sheath (3) has at least one

7 longitudinal seam (13) and a first end section (32) and a
8 second end section (33), and said outer sheath is connected
9 at said first and second end sections respectively with
10 said first and second termination profiles, whereby said
11 outer sheath and said termination profiles connected
12 thereto form a shell (9) into which the insulation layer
13 (6) is insertable, wherein the outer sheath (3) comprises
14 outlet holes (5), warning wires (11) are arranged above the
15 outlet holes (5), and an anti-rotation securement (8) is
16 provided, which prevents a position change between the pipe
17 (2) and the shell (9).

1 18. (Previously presented) Insulation arrangement according to
2 claim 17, characterized in that the anti-rotation
3 securement (8) is a partial adhesive connection, as a
4 fillet joint seam (81) of a temperature resistant adhesive
5 or a paste between the termination profile (7) and the
6 pipe (2).

1 19. (Currently amended) Insulation arrangement according to
2 claim 1, ~~characterized in that~~ further comprising
3 stiffening elements (12) that are at least partially
4 applied onto the inner side of the titanium foil (31).

1 20. (Currently amended) ~~[[An]]~~ A pre-fabricated insulation
2 arrangement for thermally insulating a pipe, said
3 insulation arrangement comprising:

4 a shell that comprises:

5 a cylindrical outer sheath comprising a titanium
6 foil, and having ~~a longitudinal seam extending~~
7 ~~therealong in a longitudinal direction, and~~
8 a first end section and a second end section at
9 opposite first and second ends of said outer
10 sheath in ~~[[said]]~~ a longitudinal direction;

11 a metal first termination profile element positioned
12 within and connected to said first end section of
13 said outer sheath and extending radially inwardly
14 from said outer sheath; and

15 a metal second termination profile element positioned
16 within and connected to said second end section
17 of said outer sheath and extending radially
18 inwardly from said outer sheath;

19 wherein said first and second termination ~~profiles~~
20 profile elements are spaced apart from one
21 another in said longitudinal direction; and

22 wherein said shell has a longitudinal seam extending
23 therealong in said longitudinal direction, and
24 further comprises closure parts that are provided
25 at said longitudinal seam and that are adapted to
26 be secured together so as to close said
27 longitudinal seam;

28 and

29 at least one layer of thermal insulation material inserted
30 into said shell through said longitudinal seam of said
31 ~~outer sheath~~ shell to form a cylindrical annular

insulation material jacket adapted to surround the pipe, wherein said cylindrical annular insulation material jacket is received and held by said termination profiles profile elements in a cylindrical annular shell space bounded longitudinally between said termination profiles profile elements and bounded radially inside said outer sheath;

wherein said pre-fabricated insulation arrangement including said cylindrical annular insulation material jacket arranged in said cylindrical annular shell space inside said shell exists as a pre-fabricated pre-assembled component separate from the pipe and without the pipe yet received therein, and wherein said shell with said thermal cylindrical annular insulation material jacket therein is adapted to be mounted on the pipe via said longitudinal seam which is open.

21. (Currently amended) The insulation arrangement according to claim 20, wherein each said termination profile element includes an outer web extending along and connected to said outer sheath at a respective one of said end sections, a middle web extending radially inwardly from said outer web along a radial plane transverse to said longitudinal direction, and an inner web extending in said longitudinal direction from a radially inner end of said middle web, whereby said cylindrical shell space is defined radially between said inner web and said outer sheath, and said

inner web serves to hold said cylindrical annular
insulation material jacket in said cylindrical shell space.

22. (Currently amended) The insulation arrangement according to
claim ~~[[1,]]~~ 20, wherein said termination ~~profiles~~ profile
elements are connected to said outer sheath by respective
weld joints.

23. (Currently amended) The insulation arrangement according to
claim ~~[[1,]]~~ 20, wherein said termination ~~profiles~~ profile
elements are not connected to the pipe.

24. (Currently amended) The insulation arrangement according to
claim ~~[[1,]]~~ 20, further comprising an adhesive joint
connecting said termination ~~profiles~~ profile elements to
the pipe.

25. (Currently amended) The insulation arrangement according to
claim ~~[[1,]]~~ 20, wherein said thermal insulation material
~~[[layer]]~~ is fiberglass wool.

26. (Currently amended) A method of ~~[[using]]~~ assembling and
installing the insulation arrangement according to claim
~~[[1]]~~ 20 for thermally insulating ~~[[a]]~~ the pipe, said
method comprising the steps:

- 5 a) providing said shell including said outer sheath and
6 said termination ~~profiles~~ profile elements connected
7 thereto;
8 b) with said longitudinal seam open, inserting said
9 insulation material ~~[[layer]]~~ through said
10 longitudinal seam into ~~[[a]]~~ said cylindrical annular
11 shell space within said shell to complete assembly of
12 said pre-fabricated pre-assembled component;
13 c) then after said step b), with said longitudinal seam
14 open, ~~after said step b),~~ mounting said ~~[[shell]]~~
15 pre-fabricated pre-assembled component onto said pipe
16 by passing said pipe through said longitudinal seam;
17 and
18 d) after said step c), closing said longitudinal seam
19 to complete installation of said pre-fabricated
20 pre-assembled component on said pipe.

Claim 27 (Canceled).

1 28. (New) The insulation arrangement according to claim 20,
2 wherein said closure parts include first and second closure
3 parts that respectively extend continuously longitudinally
4 along first and second edges of said outer sheath bounding
5 said longitudinal seam.

1 29. (New) The insulation arrangement according to claim 28,
2 wherein said first and second closure parts comprise

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- 9 -

3 respective first and second flange webs of said titanium
4 foil protruding outwardly from said cylindrical outer
5 sheath and longitudinally along said longitudinal seam.

1 30. (New) The insulation arrangement according to claim 29,
2 wherein said first and second flange webs are so configured
3 and arranged that said second flange web is wider than said
4 first flange web and can be bent and folded over said first
5 flange web so as to engage said first flange web with said
6 second flange web.

1 31. (New) The insulation arrangement according to claim 20,
2 wherein said titanium foil of said outer sheath has a
3 patterned surface configuration.

1 32. (New) The insulation arrangement according to claim 31,
2 wherein said patterned surface configuration has a weave
3 pattern as seen in a plan view and a surface undulation
4 pattern as seen in a sectional view.

[RESPONSE CONTINUES ON NEXT PAGE]